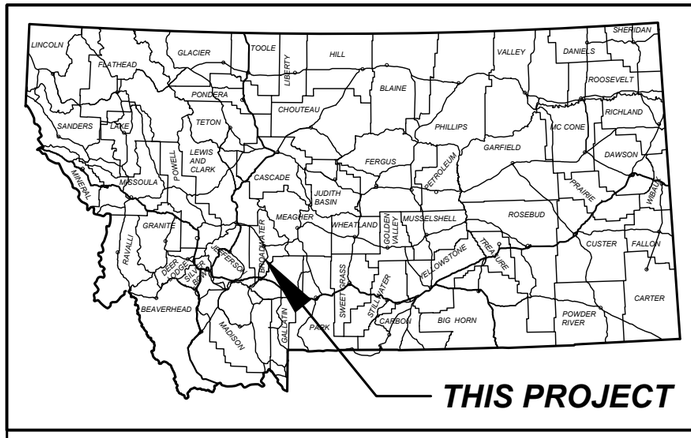
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MONTANA DEPARTMENT OF TRANSPORTATION

FEDERAL AID PROJECT 421-1(13)5

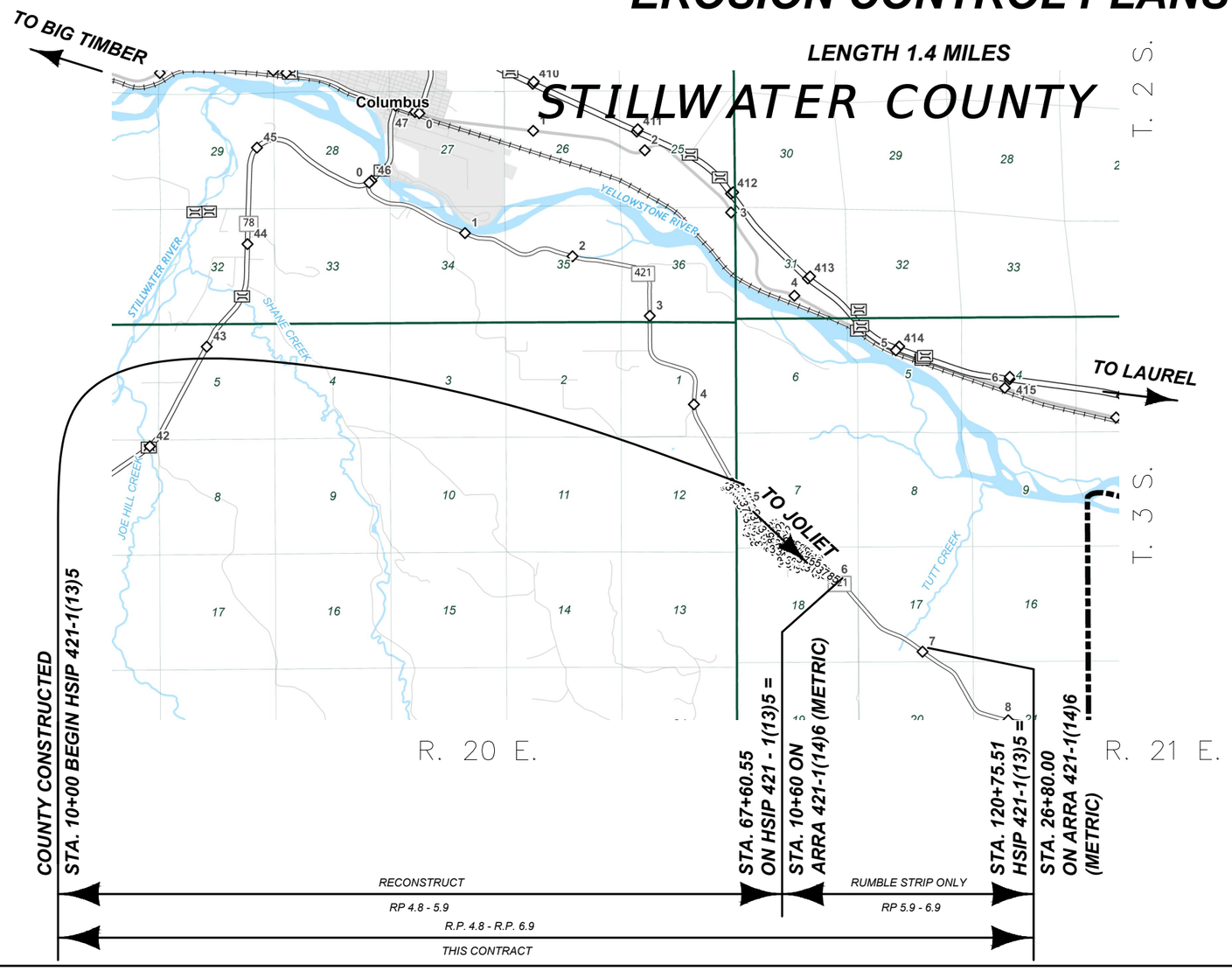
PL. MIX SURF., GRADE, GRAVEL AND SEAL & COVER

SF 159 SE COLUMBUS SHLDR WID

STILLWATER COUNTY

EROSION CONTROL PLANS

LENGTH 1.4 MILES



SURFACING SOURCES -
CONTRACTOR FURNISHED

COUNTY CONSTRUCTED
STA. 10+00 BEGIN HSIP 421-1(13)5

STA. 67+60.55
ON HSIP 421 - 1(13)5 =
STA. 10+60 ON
ARRA 421-1(14)6 (METRIC)

STA. 120+75.51
HSIP 421-1(13)5 =
STA. 26+80.00
ON ARRA 421-1(14)6
(METRIC)

RECONSTRUCT
RP 4.8 - 5.9

RUMBLE STRIP ONLY
RP 5.9 - 6.9

R.P. 4.8 - R.P. 6.9
THIS CONTRACT

SHEET NO.
1

TITLE SHEET

PROJECT NAME: SF 159 SE COLUMBUS SHLDR WID
COUNTY: STILLWATER COUNTY
PROJECT ID: HSIP 421-1(13)5
UPN: 9116000

DESIGNED BY	02/2024
B.HENDERSON	
REVIEWED BY	02/2024
J. BROTZLER	
CHECKED BY	11/2024
J. CERECK	

9116000RDERO100.DWG

MONTANA
Department of Transportation

EROSION CONTROL PLANS

3/11/2025 4:55 PM

EROSION AND SEDIMENT CONTROL BMP'S

REFER TO THE MOST CURRENT RELEASE OF MDT'S EROSION & SEDIMENT CONTROL BMP MANUAL

PEV (SS-1) SHOULD BE IDENTIFIED AND USED THROUGHOUT THE ENTIRE PROJECT IN ALL AREAS NOT DISTURBED BY CONSTRUCTION

TS (SS-3) AND ES (SS-4) SHOULD BE UTILIZED THROUGHOUT THE ENTIRE PROJECT

GENERAL BMP'S

- I/O — INLET/OUTLET PROTECTION
- WP — WATERWAY PROTECTION
- WR — WATER RESOURCE PROTECTION

TEMPORARY SOIL STABILIZATION BMP'S (SS)

- PEV — PRESERVATION OF EXISTING VEGETATION (SS-1)
- MC — MULCH COVER (SS-2)
- TS — TEMPORARY SEEDING (SS-3)
- ES — EROSION SEEDING (SS-4)
- SB — SOIL BINDERS (SS-5)
- REC — ROLLED EROSION CONTROL PRODUCTS (SS-6)
- SR — SURFACE ROUGHENING (SS-7)
- WE — WIND EROSION CONTROL (SS-8)

RUN-ON AND RUNOFF CONTROL (RC)

- ED/LD — EARTH DIKES/DRAINAGE SWALES/LINED DITCHES (RC-1)
- OVDD — OUTLET VELOCITY DISSIPATION DEVICES (RC-2)
- TSD — TEMPORARY SLOPE DRAINS (RC-3)

TEMPORARY SEDIMENT CONTROL BMP'S (SC)

- SF — SILT FENCE (SC-1)
- DB — DESILTING BASIN (SC-2)
- ST — SEDIMENT TRAP (SC-3)
- CD — CHECK DAMS (SC-4)
- DDB — DUGOUT DITCH BASIN (SC-5)
- FR — FIBER ROLLS (SC-6)
- CS — COMPOST SOCKS (SC-7)
- BB — BRUSH BARRIER (SC-8)
- SAND-B — SANDBAG BARRIER (SC-9)
- GBB — GRAVEL BAG BERM (SC-10)
- RB — ROCK FILTER BERM (SC-11)
- I/O — INLET/OUTLET PROTECTION (SC-12)

TRACKING CONTROL BMP'S (TC)

- SCEE — STABILIZED CONSTRUCTION ENTRANCE/EXIT (SC-13)
- SCR — STABILIZED CONSTRUCTION ROADWAY (SC-14)
- EOTW — ENTRANCE/OUTLET TIRE WASH (SC-15)

THE FOLLOWING BMP ALTERNATIVES ARE NOT COMPREHENSIVE AND DO NOT SUPERSEDE MDT CONTRACT REQUIREMENTS OR MANDATES AND REQUIREMENTS SPECIFIED BY OTHER AUTHORIZED LOCAL, STATE, AND FEDERAL AGENCIES.

I/O — INLET/OUTLET PROTECTION

REC, CS, SAND-B, FR, RB, OVDD, ED/LD, GBB

WR — WATER RESOURCE PROTECTION

FR, PEV, TS, I/O, SF, GBB, SAND-B, TSD, REC, ES, OVDD, RB

D T — DITCH TREATMENT

TS, REC, GBB, CS, CD, SAND-B, DDB, OVDD, ED/LD, TSD

NOTE: BMP STATIONING IS APPROXIMATE

CONSTRUCTION LIMITS:

CUT SECTION — — — — — —

TOE OF FILL

SHEET NO. 2

NOTES

PROJECT NAME: SF 159 SE COLUMBUS SHLDR WID
COUNTY: STILLWATER COUNTY
PROJECT ID: HSIP 421-1(13)5
UPN: 9116000

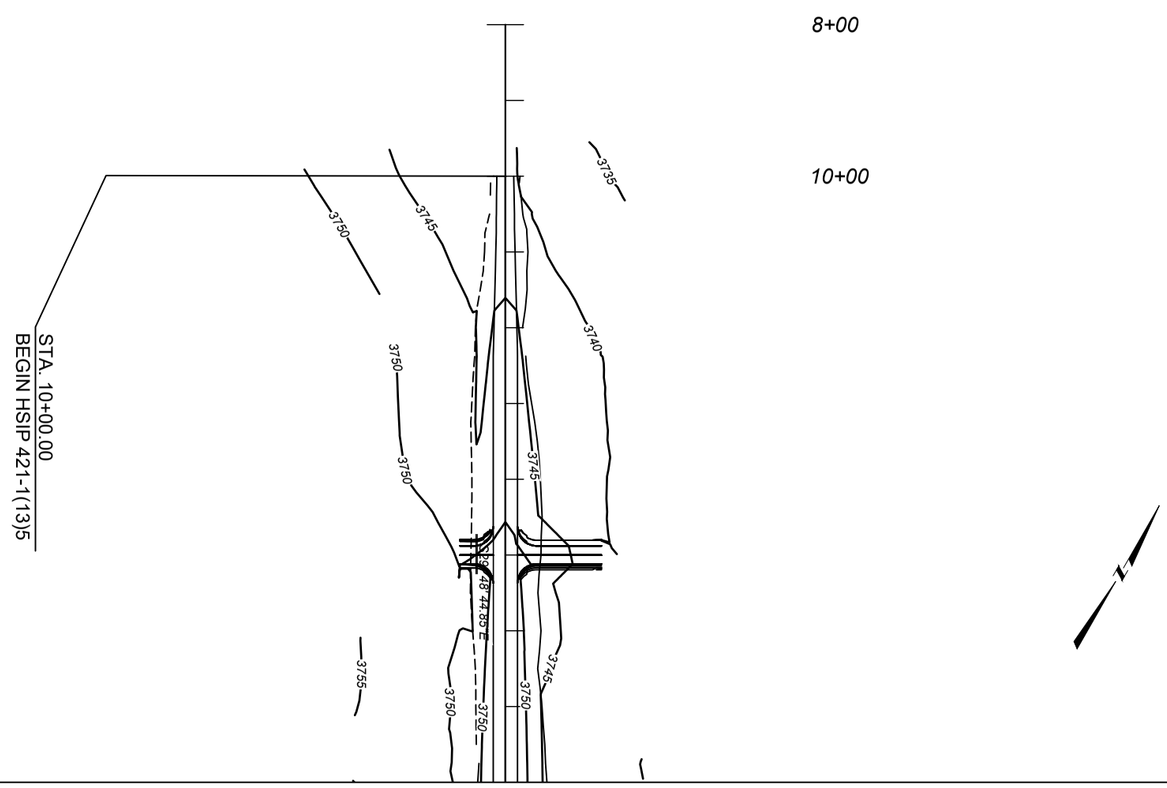
DESIGNED BY	DATE
B HENDERSON	02/2024
REVIEWED BY	DATE
J. BROTZLER	02/2024
CHECKED BY	DATE
J. CERECK	11/2024

9116000RDERO100.DWG

MONTANA Department of Transportation

EROSION CONTROL PLANS

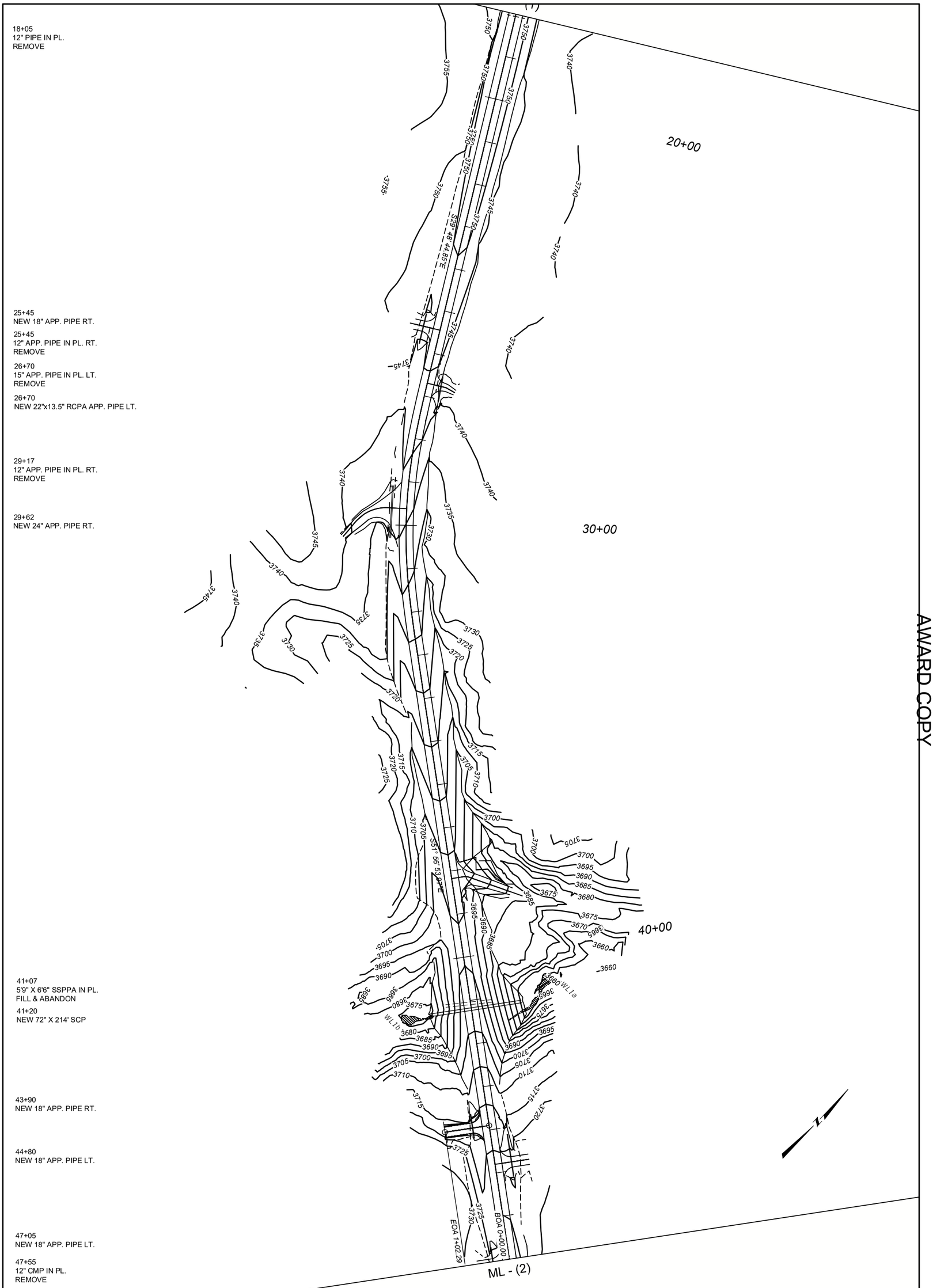
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MONTANA Department of Transportation	DESIGNED BY: B HENDERSON 02/2024	PROJECT NAME: SF 159 SE COLUMBUS SHLDR WID	EROSION CONTROL PLAN SHEET
	REVIEWED BY: J. BROTZLER 02/2024	COUNTY: STILLWATER COUNTY	
EROSION CONTROL PLANS	CHECKED BY: J. CERECK 11/2024	PROJECT ID: HSIP 421-1(13)5	SHEET NO. 3
3/11/2025 4:55 PM	9116000RDERO100.DWG	UPN: 9116000	



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MONTANA Department of Transportation	DESIGNED BY	PROJECT NAME	EROSION CONTROL PLAN SHEET
	B HENDERSON 02/2024	SF 159 SE COLUMBUS SHLDR WID	
	REVIEWED BY	COUNTY	
	J. BROTZLER 02/2024	STILLWATER COUNTY	
EROSION CONTROL PLANS	CHECKED BY	PROJECT ID	SHEET NO. 4
	J. CERECK 11/2024	HSIP 421-1(13)5	
3/11/2025 4:55 PM	9116000RDERO100.DWG	UPN 9116000	

49+07
NEW 28.5" X 18" X 68' RCPA
NEW RIPRAP APRON W/O DITCH
SEE DETAIL

49+14
NEW 28.5" X 18" X 68' RCPA
NEW RIPRAP APRON W/O DITCH
SEE DETAIL

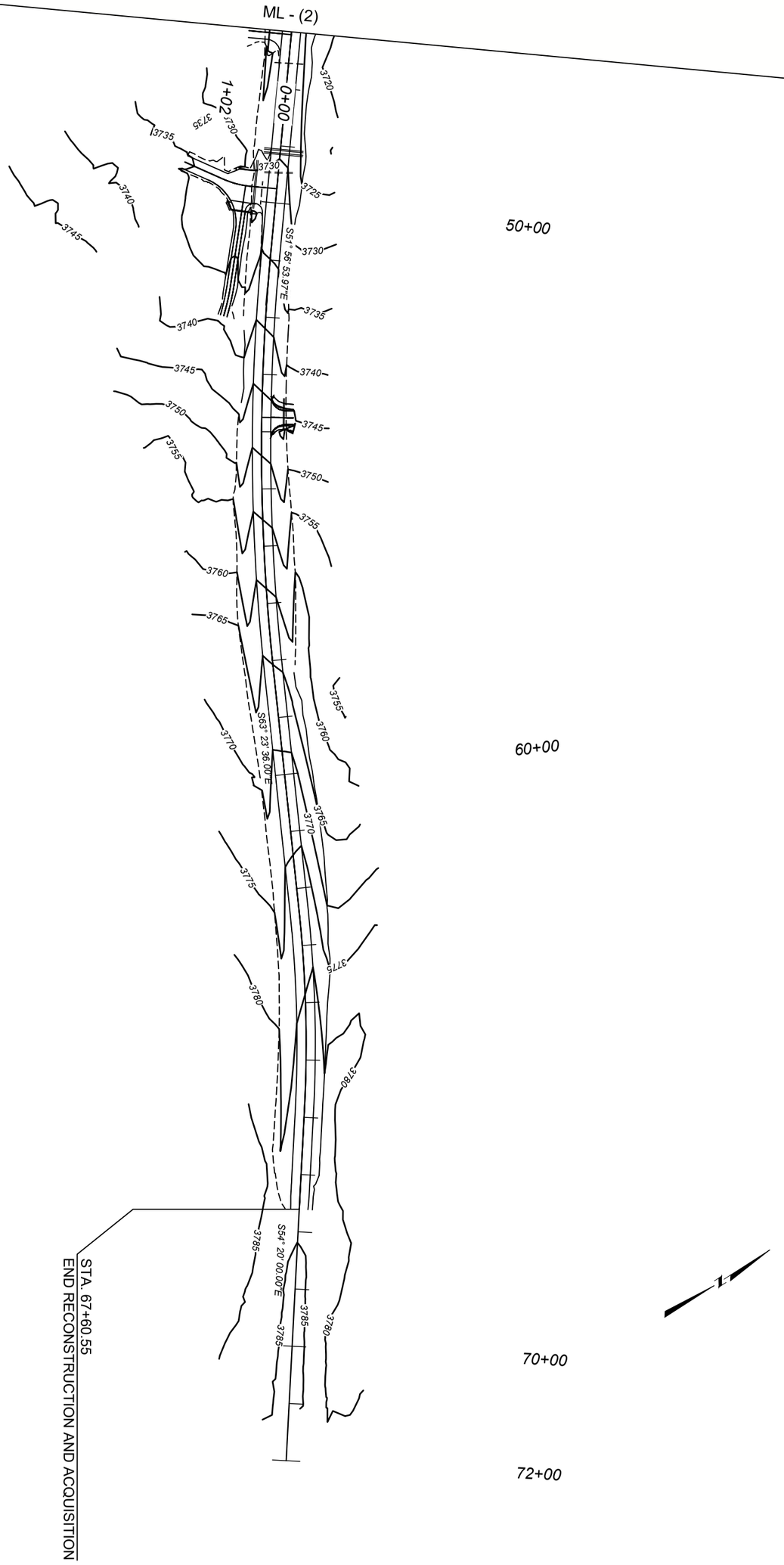
49+47
24" CMP IN PL.
REMOVE

49+47
24" CMP IN PL.
REMOVE

49+76
NEW 24" APP. PIPE RT.

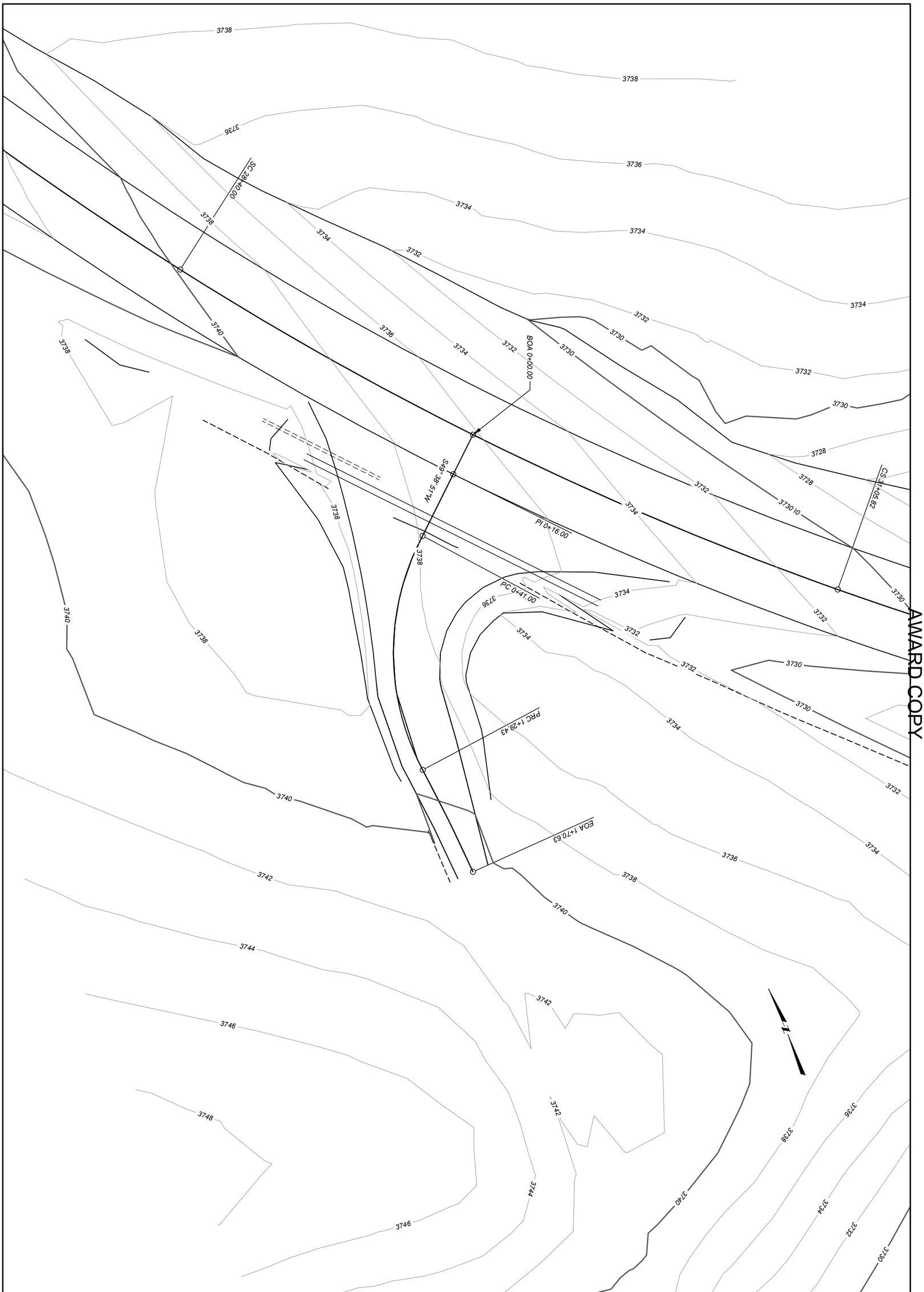
49+76
12" CMP IN PL.
REMOVE

53+75
NEW 18" APP. PIPE RT.



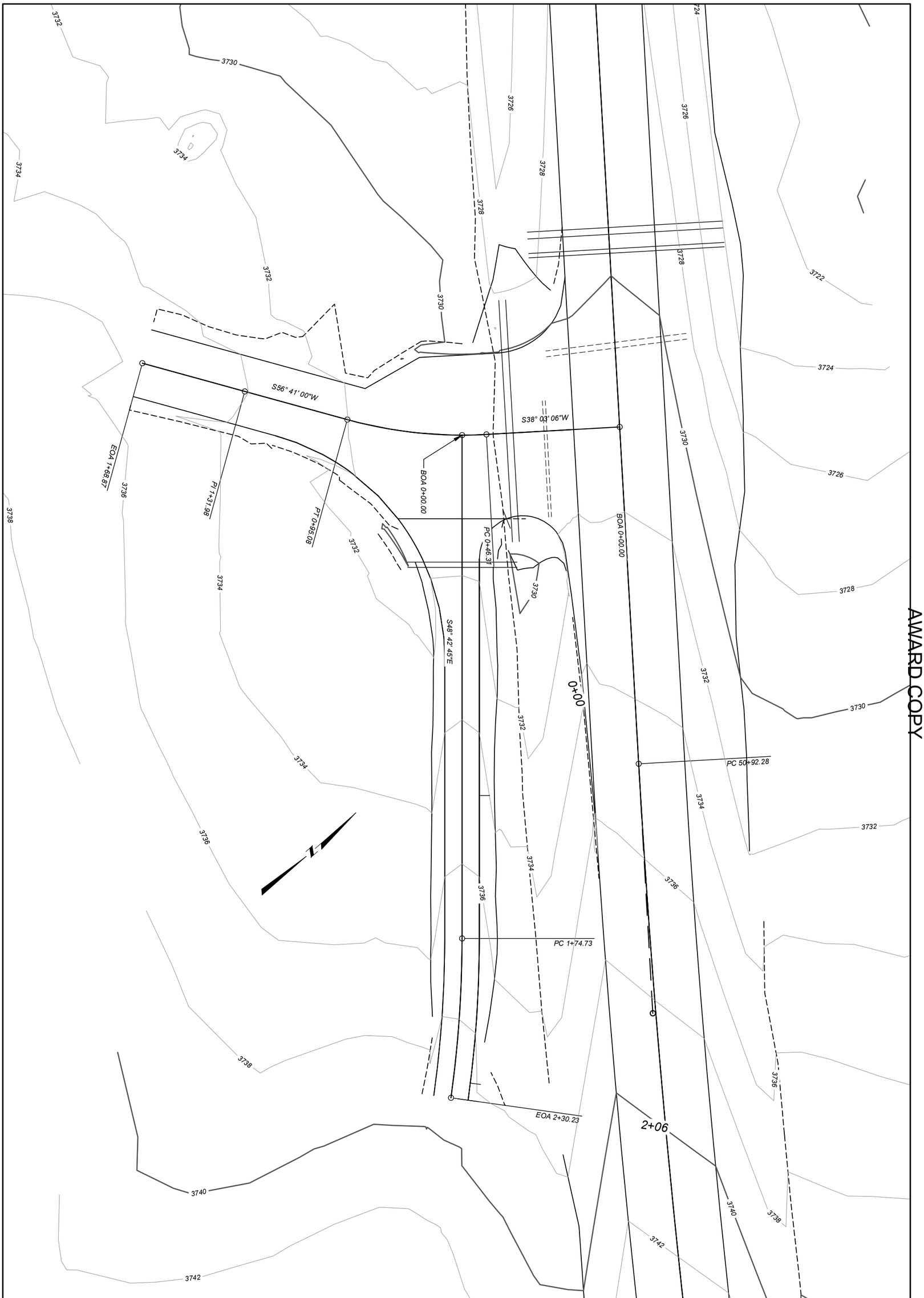
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MONTANA Department of Transportation	DESIGNED BY: B HENDERSON 02/2024	PROJECT NAME: SF 159 SE COLUMBUS SHLDR WID	EROSION CONTROL PLAN SHEET
	REVIEWED BY: J. BROTZLER 02/2024	COUNTY: STILLWATER COUNTY	
EROSION CONTROL PLANS	CHECKED BY: J. CERECK 11/2024	PROJECT ID: HSIP 421-1(13)5	SHEET NO. 5
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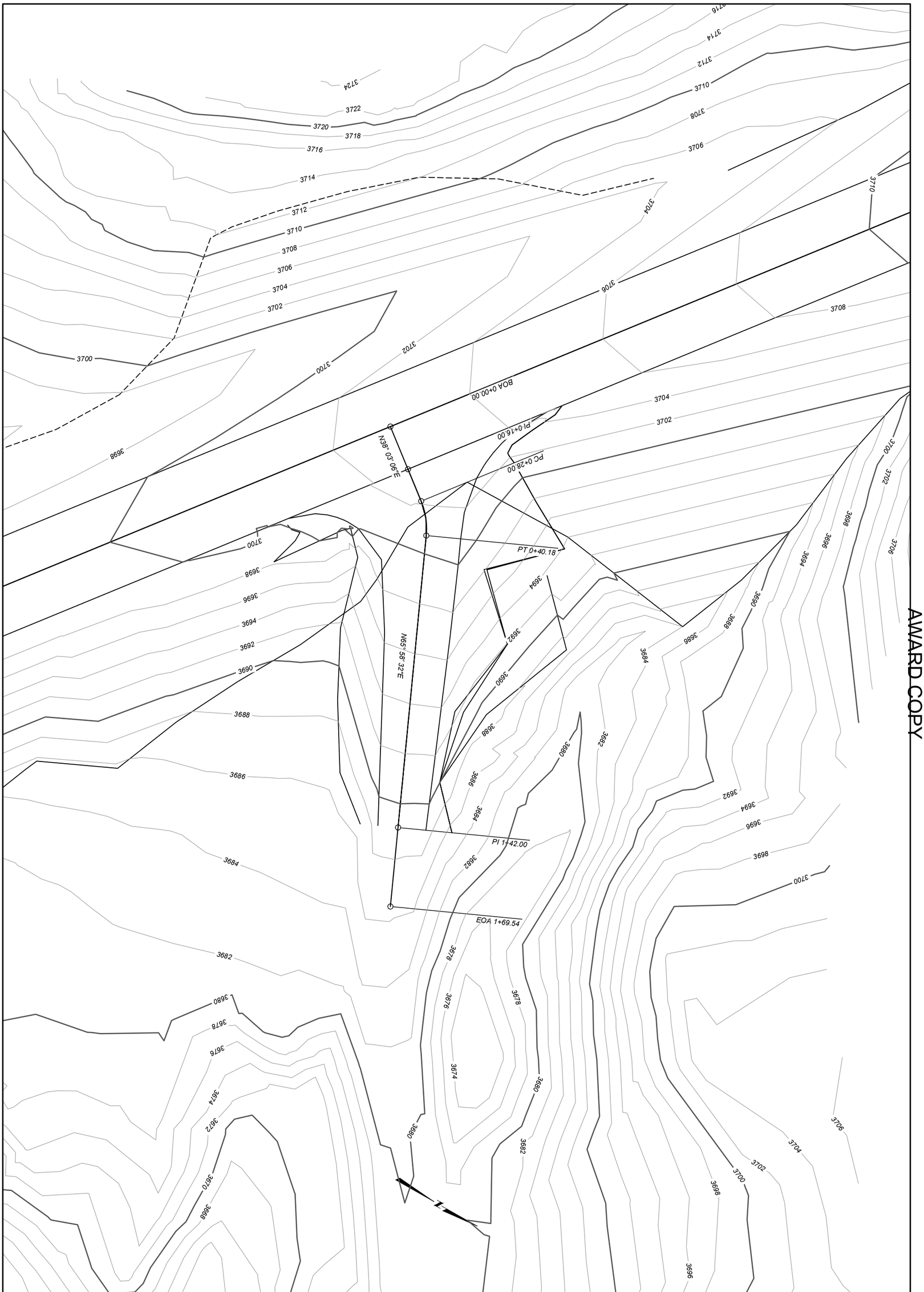
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MONTANA Department of Transportation	DESIGNED BY: B HENDERSON 02/2024	PROJECT NAME: SF 159 SE COLUMBUS SHLDR WID	JAWSMITH LANE EROSION CONTROL PLAN SHEET
	REVIEWED BY: J. BROTZLER 02/2024	COUNTY: STILLWATER COUNTY	
EROSION CONTROL PLANS	CHECKED BY: J. CERECK 11/2024	PROJECT ID: HSIP 421-1(13)5	
1/23/2025 1:19 PM	9116000RDERO105.DWG	UPN: 9116000	SHEET NO. 6



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MONTANA Department of Transportation	DESIGNED BY	PROJECT NAME	MORNING GLORY LANE EROSON CONTROL PLAN SHEET
	B HENDERSON 02/2024	SF 159 SE COLUMBUS SHLDR WID	
	REVIEWED BY	COUNTY	
	J. BROTZLER 02/2024	STILLWATER COUNTY	
EROSION CONTROL PLANS	CHECKED BY	PROJECT ID	
	J. CERECK 11/2024	HSIP 421-1(13)5	
1/23/2025 1:19 PM	9116000RDERO105.DWG	UPN 9116000	SHEET NO. 7



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MONTANA Department of Transportation	DESIGNED BY		PROJECT NAME	FARM FIELD APP. 38+42 EROSION CONTROL PLAN SHEET	SHEET NO. 8
	B HENDERSON	02/2024	SF 159 SE COLUMBUS SHLDR WID		
	REVIEWED BY		COUNTY		
	J. BROTZLER	02/2024	STILLWATER COUNTY		
	CHECKED BY		PROJECT ID		
EROSION CONTROL PLANS	J. CERECK	11/2024	HSIP 421-1(13)5		
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